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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 04/27/2001 Byung Hoon Ahn AB-1134 US 09/845,601 EXAMINER 24251 7590 12/15/2004 SKJERVEN MORRILL LLP CLARK, SHEILA V 25 METRO DRIVE ART UNIT PAPER NUMBER SUITE 700 SAN JOSE, CA 95110 2815

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/845,601	AHN ET AL.
	Examiner	Art Unit
	S. V. Clark	2815
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).		
Status		•
1) Responsive to communication(s) filed on	_•	
2a) This action is <b>FINAL</b> . 2b) This action is non-final.		
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is		
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims	·	
4) Claim(s) <u>1-20</u> is/are pending in the application.		•
4a) Of the above claim(s) is/are withdrawn from consideration.		
5)⊠ Claim(s) <u>16-20</u> is/are allowed.		
6)⊠ Claim(s) <u>1,2 and 7-13</u> is/are rejected.		
7)⊠ Claim(s) <u>3-6,14 and 15</u> is/are objected to.		
8) Claim(s) are subject to restriction and/or	election requirement.	-
Application Papers		
9) The specification is objected to by the Examine	r.	
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.		
	· ·	7.00.011.01.1111.11.01.102.
Priority under 35 U.S.C. § 119		
a) △ All b) ☐ Some * c) ☐ None of:  1. △ Certified copies of the priority documents  2. ☐ Certified copies of the priority documents  3. ☐ Copies of the certified copies of the priority documents  application from the International Bureau	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage
* See the attached detailed Office action for a list of the standard of the st	or the centried copies not receive	ea.
1) Notice of References Cited (PTO-892)	4) Interview Summary	
Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate Patent Application (PTO-152)

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 2, 7-13 are rejected under 35 U.S.C. 102(a) as being anticipated by Yee et al.

Yee et al shows in for example figures 5D and 5E, a frame 18, a chip 2 inside said frame, a plurality of leads 11. figure 5E shows the second lower surface of the lead split by a middle grooved section 14 which formed a horizontal third surface and where a first outer region 13 is between the frame and the groove and a second inner region (another 14) is show between the third surface and the inner end of the lead. A recessed forth surface is shown at the tip of the inner lead.

Claims 1, 2, 7-13 are rejected. Claims 3-6, 14, 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 16-20 are allowed.

Hu et al (2003/0073265, 6, 611, 047), Su et al, Chuang, Huang (6, 545, 332 and 6, 198, 171), Kobayakawa, Shibata, Glenn et al are cited to show leads with grooved portions.

Any inquiry concerning this communication should be directed to S. V. Clark at telephone number (571) 272-1725. Well

S. V. Clark Primary Examiner

Art Unit 2815

December 11, 2004